FIG. 1

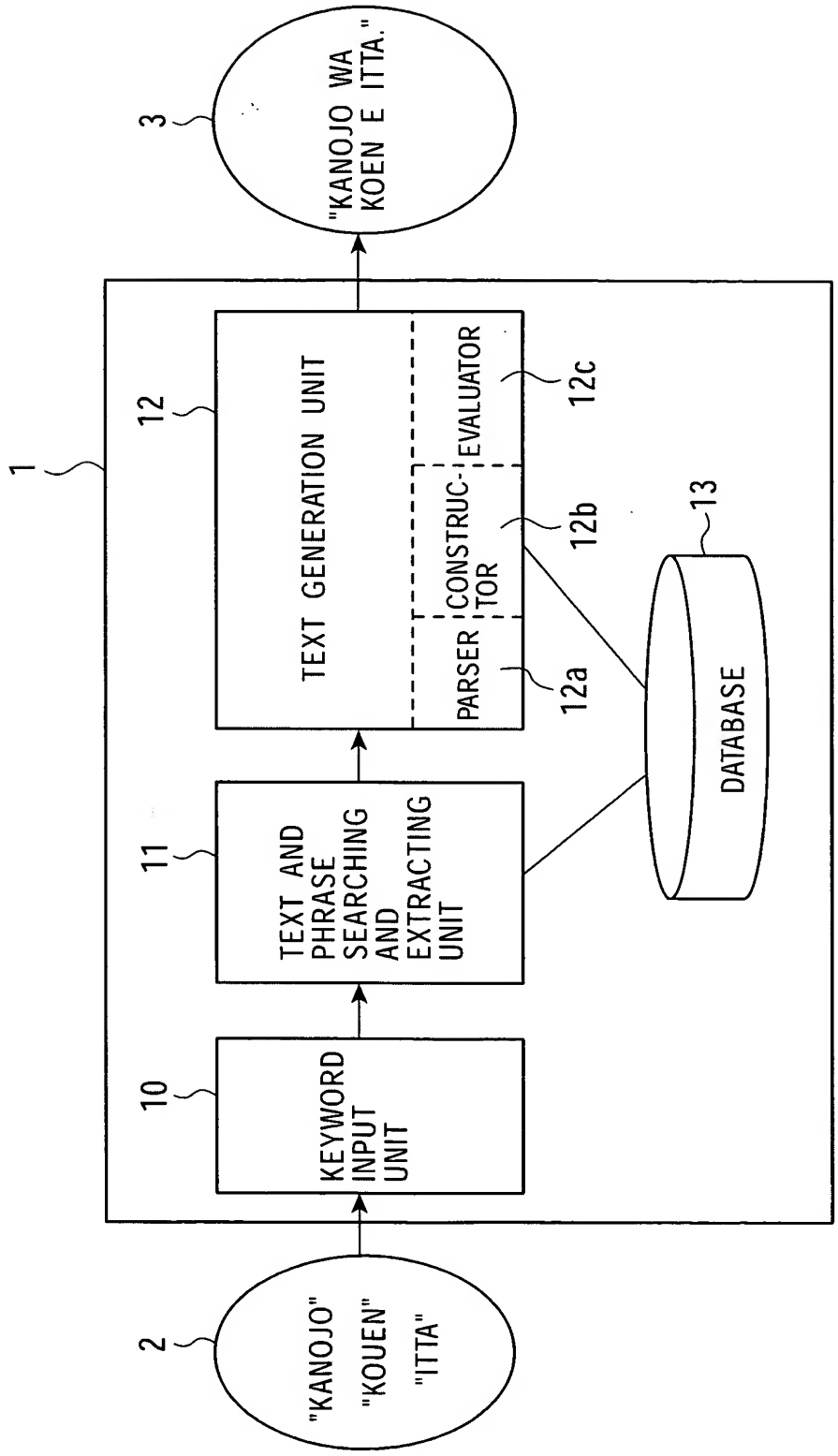

"KANOJO" "KOUEN" "ITTA"
2
KEYWORD INPUT UNIT
10
TEXT AND PHRASE SEARCHING AND EXTRACTING UNIT
11
TEXT GENERATION UNIT
12
PARSER
12a
CONSTRUC-TOR
12b
EVALUATOR
12c
DATABASE
13
1
"KANOJO WA KOEN E ITTA."
3

FIG. 2

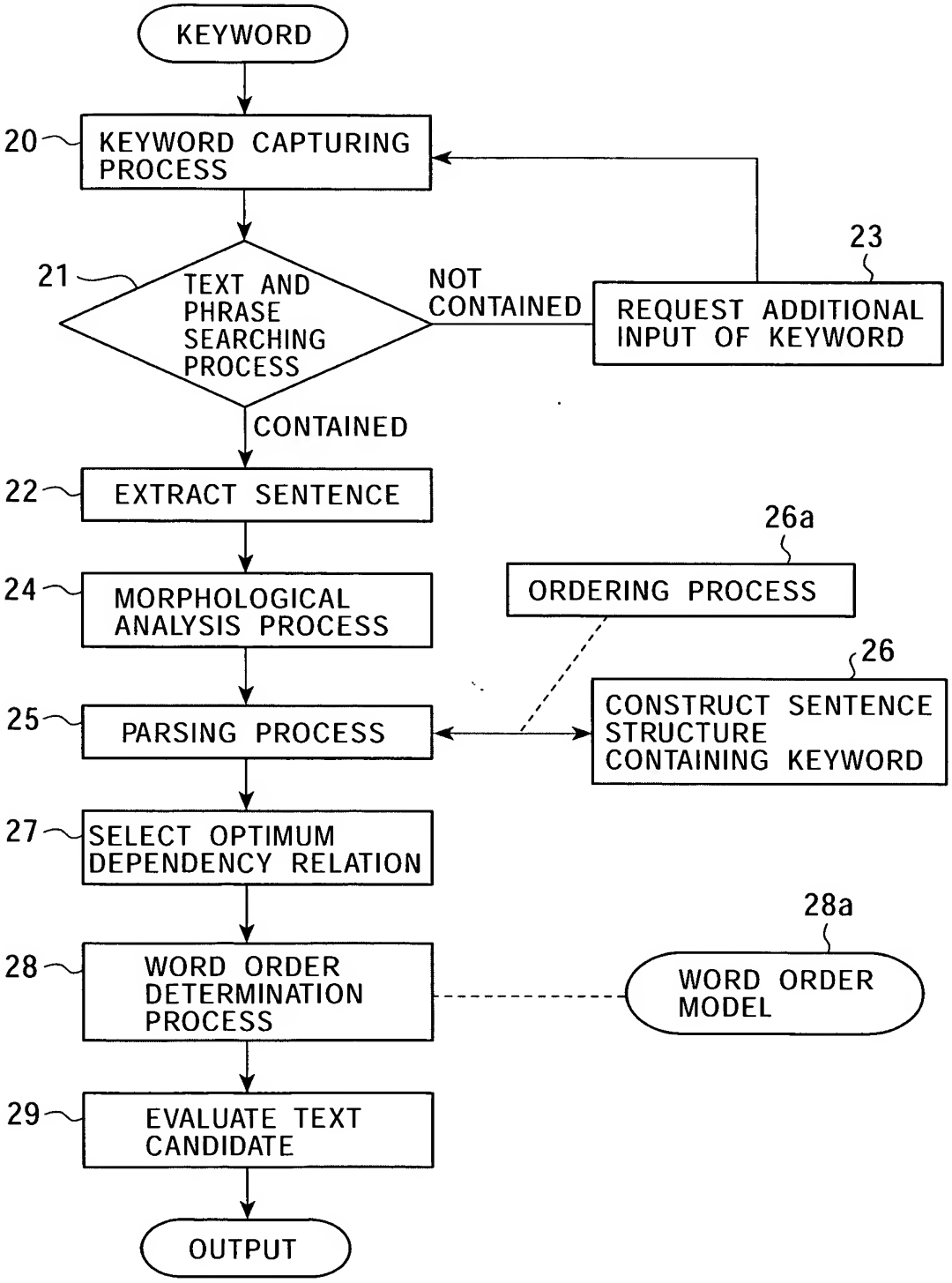

KEYWORD
20
KEYWORD CAPTURING PROCESS
21
TEXT AND PHRASE SEARCHING PROCESS
NOT CONTAINED
23
REQUEST ADDITIONAL INPUT OF KEYWORD
CONTAINED
22
EXTRACT SENTENCE
26a
ORDERING PROCESS
24
MORPHOLOGICAL ANALYSIS PROCESS
26
25
PARSING PROCESS
CONSTRUCT SENTENCE STRUCTURE CONTAINING KEYWORD
27
SELECT OPTIMUM DEPENDENCY RELATION
28a
28
WORD ORDER DETERMINATION PROCESS
WORD ORDER MODEL
29
EVALUATE TEXT CANDIDATE
OUTPUT

FIG. 3

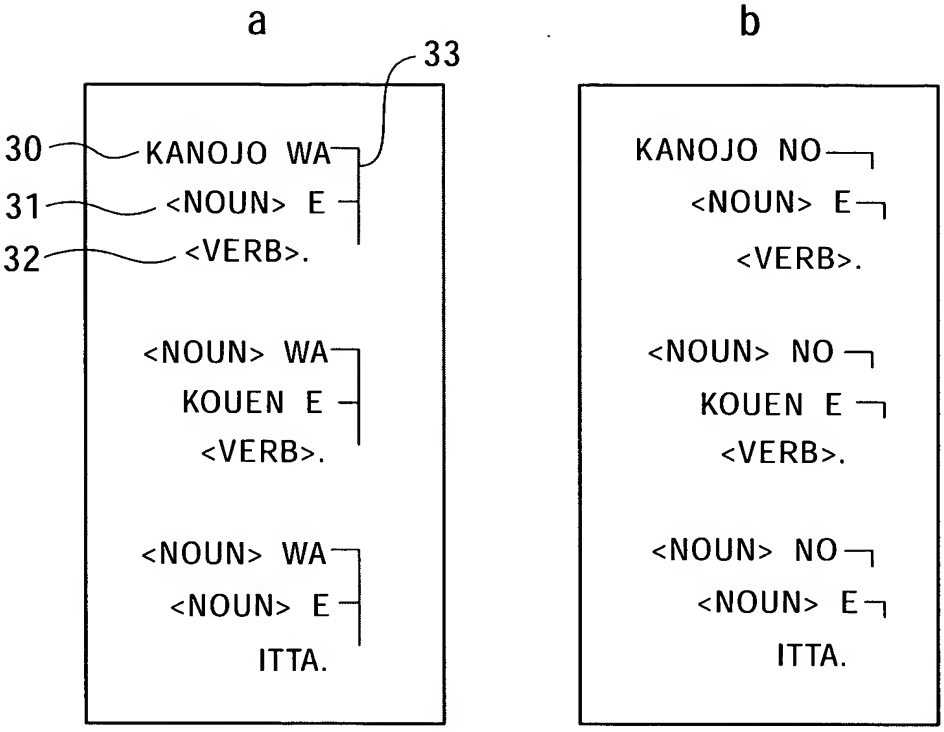

a
b
33
30
31
32
KANOJO WA
<NOUN> E
<VERB>.
<NOUN> WA
KOUEN E
<VERB>.
<NOUN> WA
<NOUN> E
ITTA.
KANOJO NO
<NOUN> E
<VERB>.
<NOUN> NO
KOUEN E
<VERB>.
<NOUN> NO
<NOUN> E
ITTA.

FIG. 4

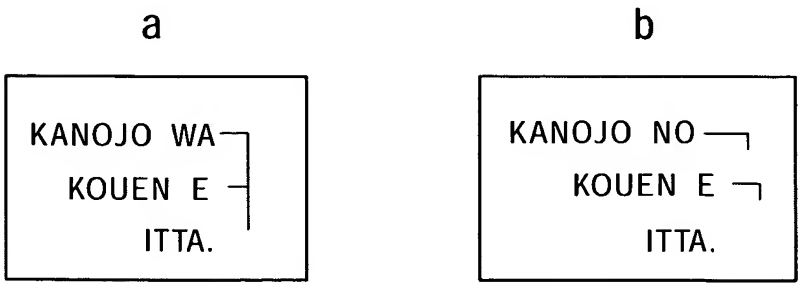

a
b
KANOJO WA
KOUEN E
ITTA.
KANOJO NO
KOUEN E
ITTA.

FIG. 5

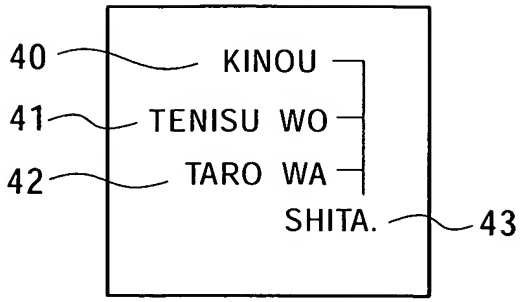
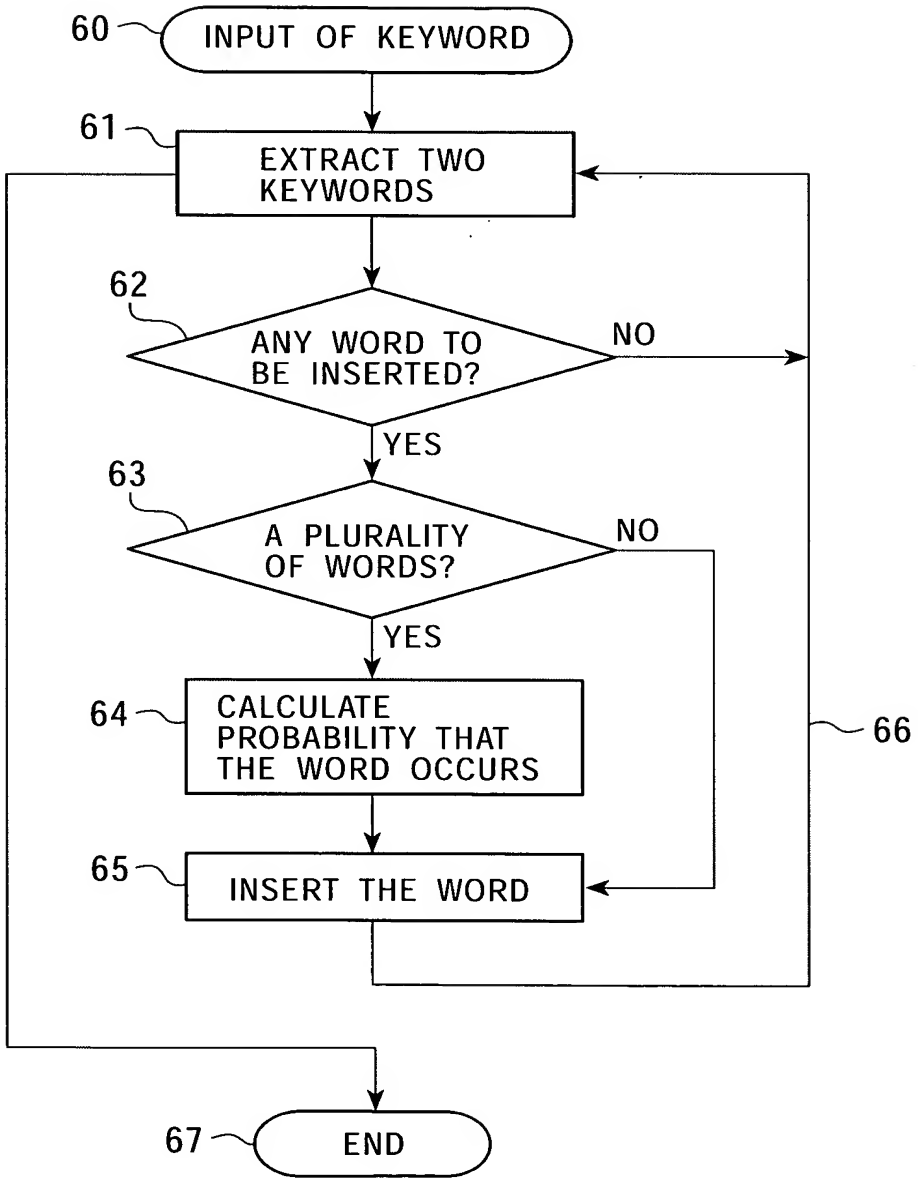


FIG. 6

50

51	"KINOU/TARO WA/ TENISU WO/SHITA."	$p^*_{\text{KINOU, TARO WA}} \times p^*_{\text{KINOU, TENISU WO}} \times p^*_{\text{TARO WA, TENISU WO}} = 0.6 \times 0.8 \times 0.7 = 0.336$
52	"KINOU/TENISU WO/ TARO WA/SHITA."	$p^*_{\text{KINOU, TARO WA}} \times p^*_{\text{KINOU, TENISU WO}} \times p^*_{\text{TENISU WO, TARO WA}} = 0.6 \times 0.8 \times 0.3 = 0.144$
53	"TARO WA/KINOU/ TENISU WO/SHITA."	$p^*_{\text{TARO WA, KINOU}} \times p^*_{\text{KINOU, TENISU WO}} \times p^*_{\text{TARO WA, TENISU WO}} = 0.4 \times 0.8 \times 0.7 = 0.224$
54	"TARO WA/TENISU WO/ KINOU/SHITA."	$p^*_{\text{TARO WA, KINOU}} \times p^*_{\text{TENISU WO, KINOU}} \times p^*_{\text{TARO WA, TENISU WO}} = 0.4 \times 0.2 \times 0.7 = 0.056$
55	"TENISU WO/KINOU/ TARO WA/SHITA."	$p^*_{\text{KINOU, TARO WA}} \times p^*_{\text{TENISU WO, KINOU}} \times p^*_{\text{TENISU WO, TARO WA}} = 0.6 \times 0.2 \times 0.3 = 0.036$
56	"TENISU WO/TARO WA/ KINOU/SHITA."	$p^*_{\text{TARO WA, KINOU}} \times p^*_{\text{TENISU WO, KINOU}} \times p^*_{\text{TENISU WO, TARO WA}} = 0.4 \times 0.2 \times 0.3 = 0.024$

FIG. 7


60
INPUT OF KEYWORD
61
EXTRACT TWO KEYWORDS
62
ANY WORD TO BE INSERTED?
NO
YES
63
A PLURALITY OF WORDS?
NO
YES
64
CALCULATE PROBABILITY THAT THE WORD OCCURS
65
INSERT THE WORD
66
67
END